

FIGURE 1

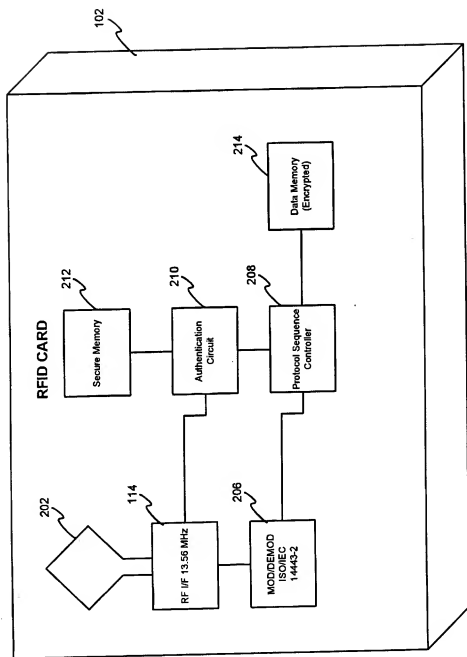


FIGURE 2

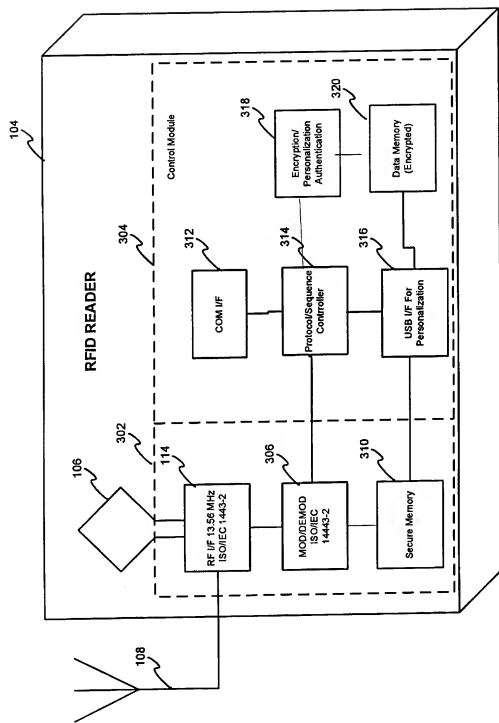


FIGURE 3

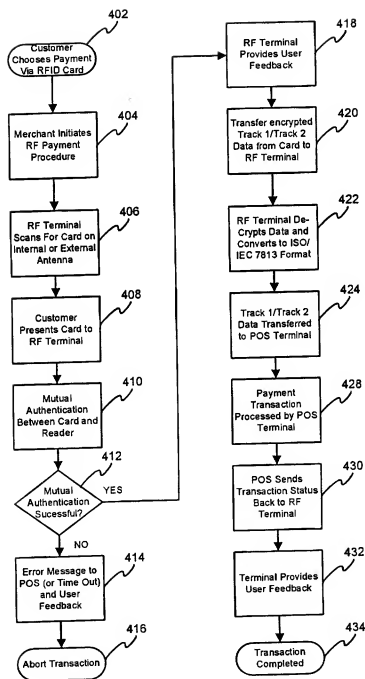


FIGURE 4

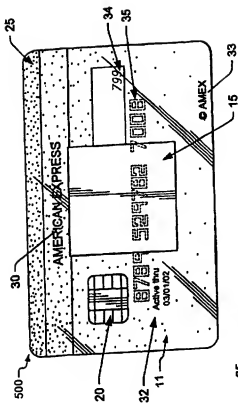


FIGURE 5

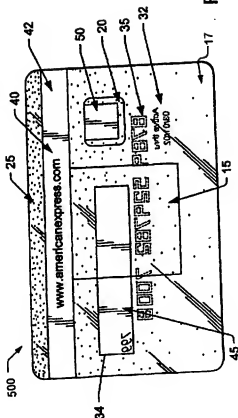
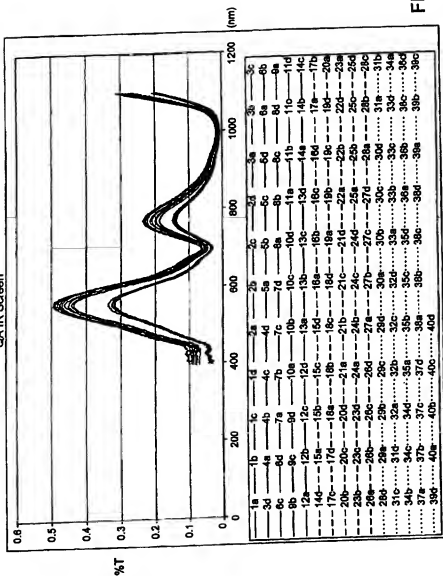


FIGURE 6

QAIR Screen



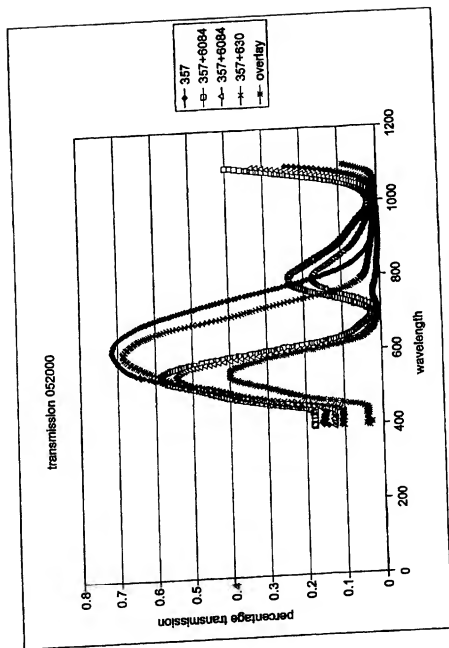


FIGURE 7B

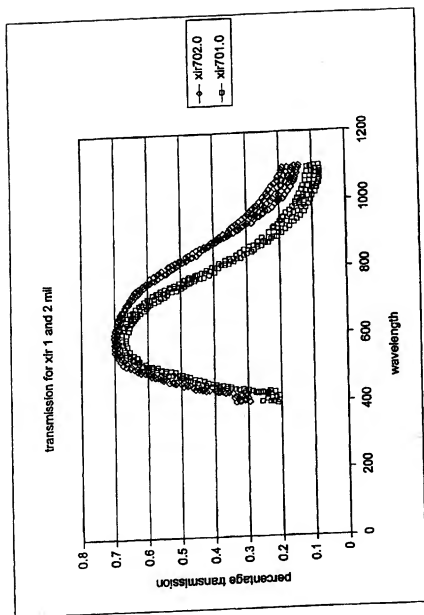


FIGURE 7C



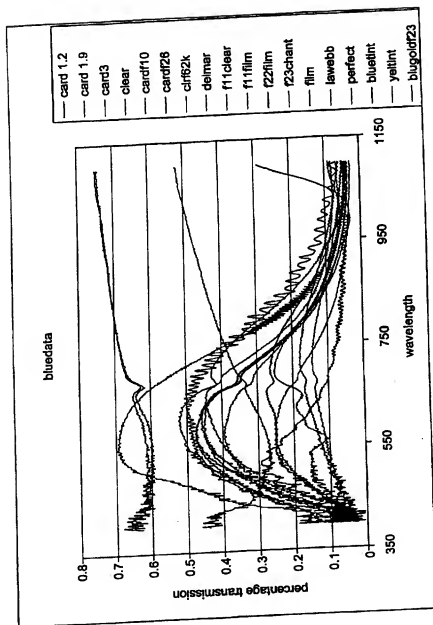


FIGURE 7D

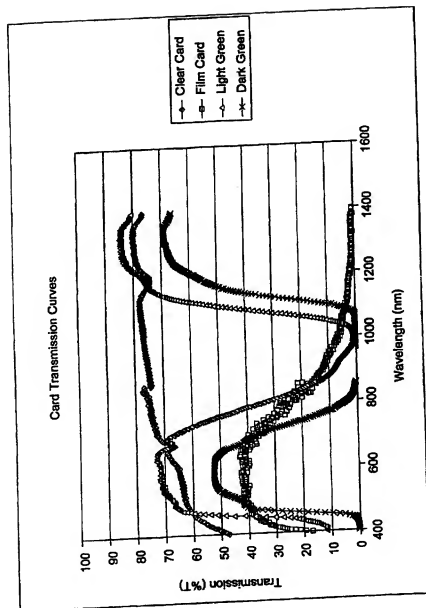


FIGURE 7E

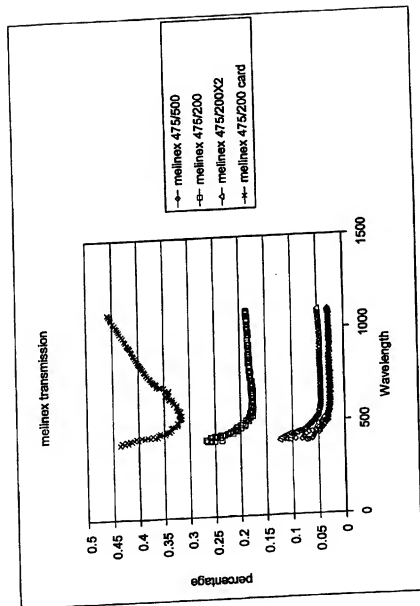


FIGURE 7F

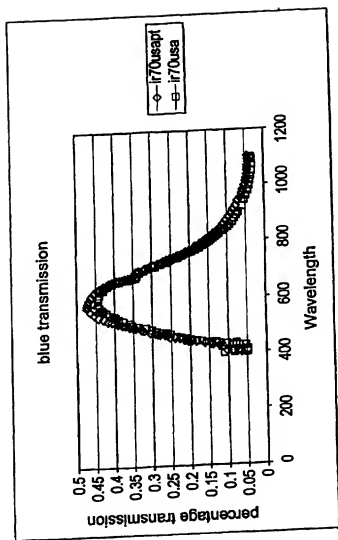


FIGURE 7G

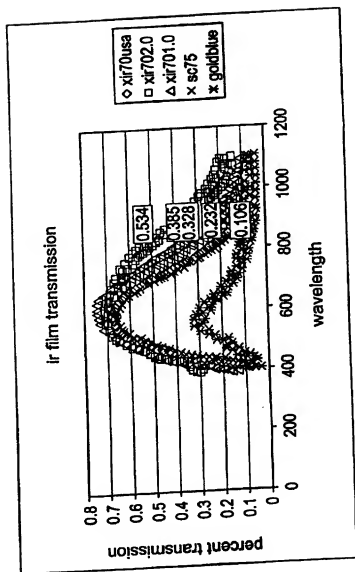


FIGURE 7H

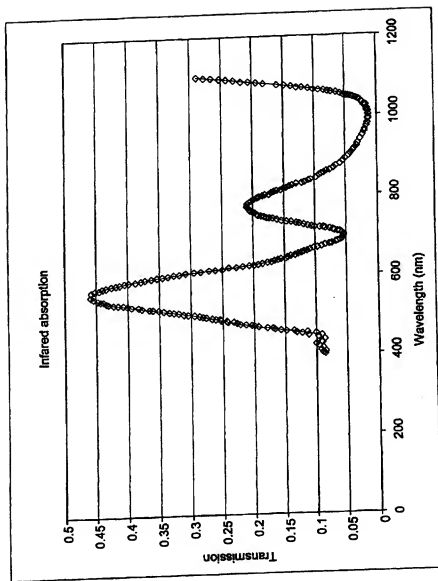


FIGURE 71

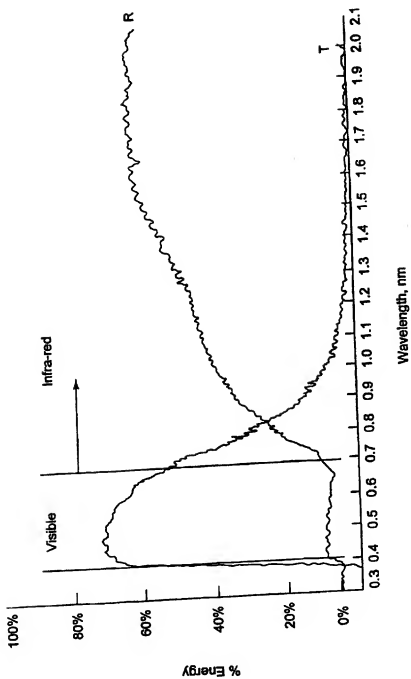


FIGURE 8

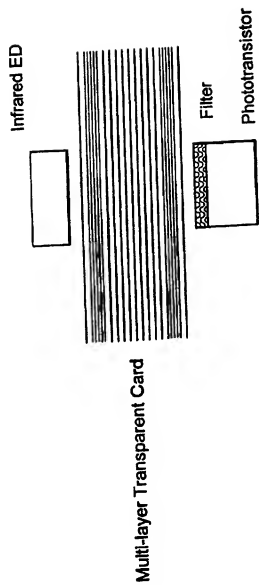


FIGURE 9



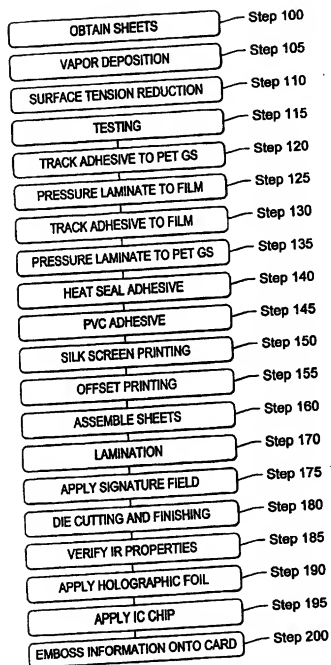
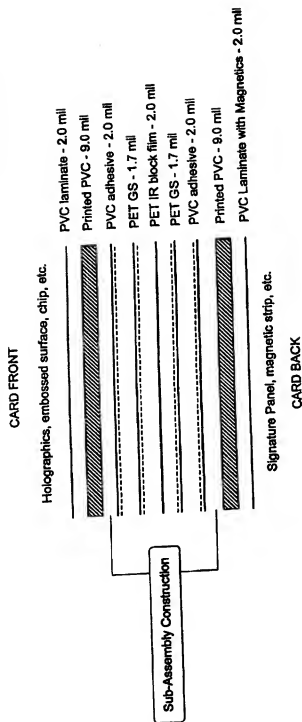


FIGURE 10

FIGURE 11A



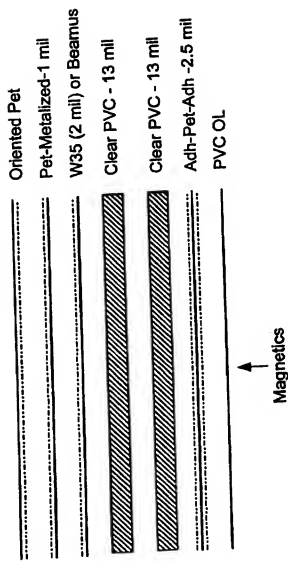


FIGURE 11B

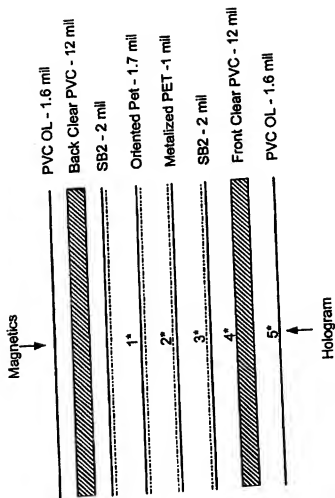


FIGURE 11C

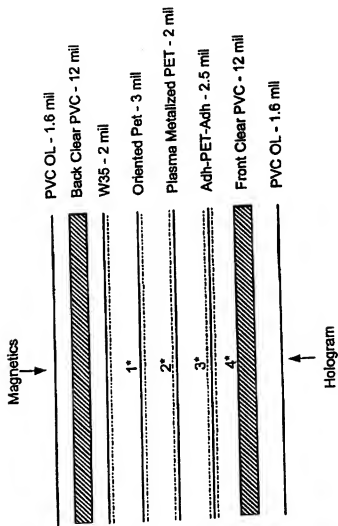


FIGURE 11D

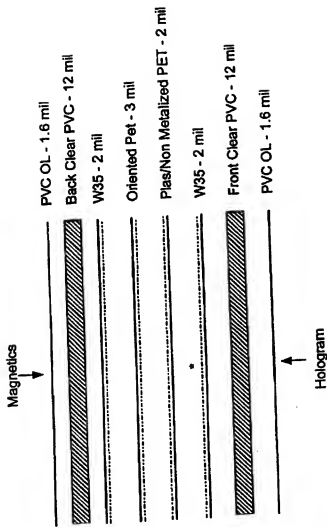


FIGURE 11E

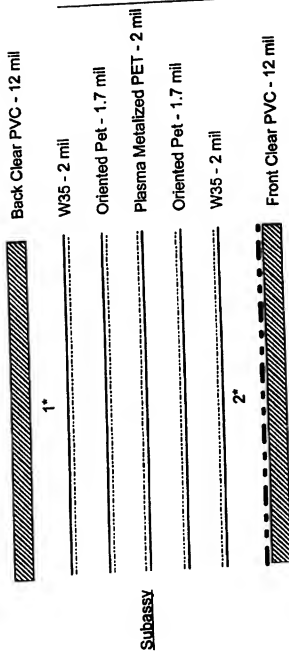


FIGURE 11F

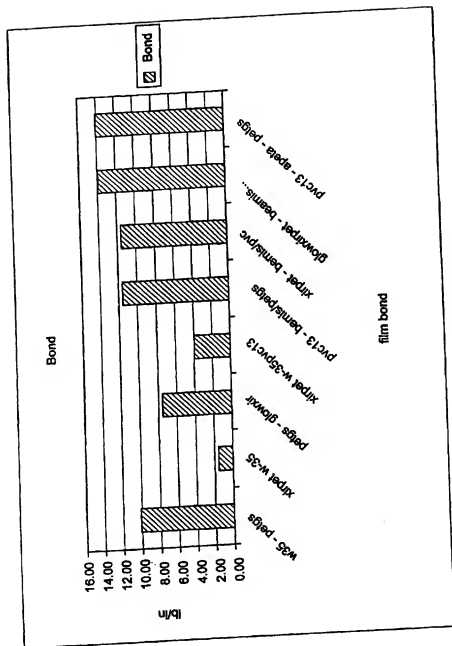


FIGURE 12A



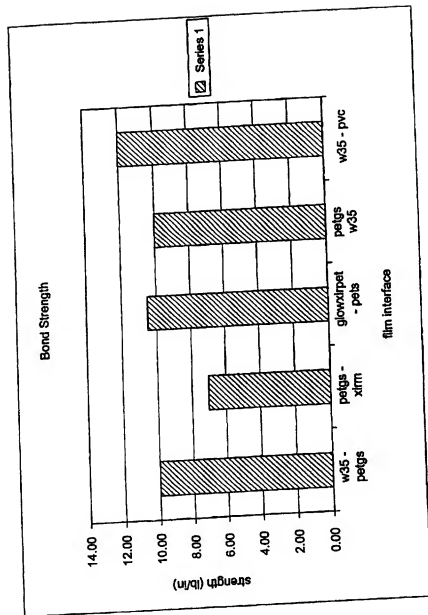


FIGURE 12B

| Number | Material  | Specifications | Source        | Comments   |
|--------|---|----------------|---------------|--|
|        | Construction 1 - white needs work, lamination temperature too low, pvc core   |                | oberthur      | bond low.  |
|        | 1 pvc laminate  | 1.60           | allied signal | front 4.1, 4.4; back 4.0, 4.0                        |
|        | 2 pet adhesive both sides   | 2.50           | oberthur      |  |
|        | 3 printed core - white #1   | 12.00          | oberthur      |  |
|        | 4 printed core - white #1   | 12.00          | klockner      |  |
|        | 5 wt-35 pvc (adh to xir)  | 2.00           | southwall     |  |
|        | 6 xir (metal to pet gs)   | 1.00           | d & k         |  |
|        | 7 pet glue/stamp  | 1.70           |               |  |
| Total  |   | 32.80          |               | 1.2 mil adhesive, 0.5 mil pet. thickness .030 - .031 |
|        | Construction 2  |                |               |  |
|        | 1 pvc laminate  | 1.60           | oberthur      |  |
|        | 2 pet adhesive both sides   | 2.50           | allied signal |  |
|        | 3 printed core  | 12.00          | oberthur      |  |
|        | 4 printed core  | 12.00          | oberthur      |  |
|        | 5 wt-35 pvc (adh to xir)  | 2.00           | klockner      |  |
|        | 6 xir (metal to pet gs)   | 1.00           | southwall     |  |
|        | 7 pet glue/stamp (adh to xir)   | 1.70           | d & k         |  |
|        | 8 wt-35 pvc (adh to pet)  | 2.00           | klockner      |  |
| Total  |   | 34.80          |               | 1.2 mil adhesive, 0.5 mil pet.                       |
|        | Construction 3  |                |               |  |
|        | 1 pvc laminate  | 1.60           | oberthur      |  |
|        | 2 pet adhesive both sides   | 2.50           | allied signal |  |
|        | 3 printed core  | 12.00          | oberthur      |  |
|        | 4 printed core  | 12.00          | oberthur      |  |
|        | 5 wt-35 pvc (adh to xir)  | 2.00           | klockner      |  |
|        | 6 xir (metal to pet gs)   | 1.00           | southwall     |  |
|        | 7 pet glue/stamp (adh to xir)   | 1.70           | d & k         |  |
|        | 8 gomax pvc (adh to pet)  | 2.00           | allied signal |  |
| Total  |   | 34.80          |               | 1.2 mil adhesive, 0.5 mil pet.                       |
|        | Construction 4 - white #2 too dark, temperature too low, pvc lamination bond  |                |               | low  |
|        | 1 pvc laminate  | 1.60           | oberthur      | front - 4.0, 4.3; back tear                          |
|        | 2 pet adhesive both sides   | 2.50           | allied signal |  |
|        | 3 printed core - white #2   | 12.00          | oberthur      |  |
|        | 4 printed core - white #2   | 12.00          | oberthur      |  |
|        | 5 bemis (adh to xir)  | 2.00           | klockner      |  |
|        | 6 xir (metal to pet gs)   | 1.00           | southwall     |  |
|        | 7 pet glue/stamp  | 1.70           | d & k         |  |
| Total  |   | 32.80          |               | 1.2 mil adhesive, 0.5 mil pet. thickness .030 - .031 |
|        | Construction 5 - white #3 too dark, temperature too low - pvc lamination bond |                |               | low  |
|        | 1 pvc laminate  | 1.60           | oberthur      |  |
|        | 2 pet adhesive both sides   | 2.50           | allied signal |  |
|        | 3 printed core - white #3   | 12.00          | oberthur      |  |
|        | 4 printed core - white #3   | 12.00          | oberthur      |  |
|        | 5 w-35 (adh to xir pet)   | 2.00           | klockner      |  |
|        | 6 xir (metal to pet gs)   | 1.00           | southwall     |  |
|        | 7 pet glue/stamp  | 1.70           | d & k         |  |
| Total  |   | 32.80          |               | 1.2 mil adhesive, 0.5 mil pet. thickness .030 - .031 |
|        | howard 1.0 coating  |                |               |  |
|        | 1 neocryl b725  | 33.60          | zeneca?       |  |
|        | 2 EtOH  | 31.20          |               |  |
|        | 3 nPOAc   | 31.20          |               |  |

FIGURE 13

|             |  |        |                      |                            |
|-------------|--|--------|----------------------|----------------------------|
|             | 4 citraflex #4   | 4.00   | moreslip, greensboro |                            |
|             |  | 100.00 |                      |                            |
| Total       | construction #6 - seems to stick ok, best so far, scale up. Make sub-laminat |        | oberthur             | (aka - s)                  |
|             | 1 pvc laminate   | 12.00  | oberthur             |                            |
|             | 2 core pvc   | 2.00   | bernis               |                            |
|             | 3 bernis   | 1.70   | d & k                |                            |
|             | 4 petgs  | 1.00   | southwall            | plasma treated             |
|             | 5 xir (metal to pet gs)  | 2.00   | bernis               |                            |
|             | 6 bernis   | 12.00  | oberthur             | magnetics                  |
|             | 7 core pvc   | 1.60   | oberthur             |                            |
|             | 8 pvc laminate   | 33.90  |                      |                            |
| Total       | heralow sublamination  |        |                      |                            |
| Total Price | construction #7-- seems to stick ok, best so far, scale up. Make sub-laminat |        | oberthur             | (aka - t)                  |
|             | 1 pvc laminate   | 12.00  | oberthur             |                            |
|             | 2 core pvc   | 2.00   | bernis               |                            |
|             | 3 w-35   | 1.70   | d & k                |                            |
|             | 4 petgs  | 1.00   | southwall            | plasma treated             |
|             | 5 xir (metal to pet gs)  | 2.00   | bernis               |                            |
|             | 6 bernis   | 12.00  | oberthur             | magnetics                  |
|             | 7 core pvc   | 1.60   | oberthur             |                            |
|             | 8 pvc laminate   | 33.90  |                      |                            |
| Total       | construction #7 - seems to stick ok, best so far, scale up. Make sub-laminat |        | oberthur             | (aka - t)                  |
|             | 1 pvc laminate   | 12.00  | oberthur             |                            |
|             | 2 core pvc   | 2.00   | bernis               |                            |
|             | 3 w-35   | 1.70   | d & k                |                            |
|             | 4 petgs  | 1.00   | southwall            | plasma treated             |
|             | 5 xir (metal to pet gs)  | 2.00   | bernis               |                            |
|             | 6 w-35   | 12.00  | oberthur             | core to core = 14.2 lb.in. |
|             | 7 core pvc   | 1.60   | oberthur             | magnetics                  |
|             | 8 pvc laminate   | 33.90  |                      |                            |
| Total       | construction #8 - sublaminate to be used with 12 mil pvc core                |        |                      |                            |
|             | 1 w-35   | 2.00   |                      |                            |
|             | 2 petgs  | 1.70   |                      |                            |
|             | 3 xir (metal to pet gs)  | 4.70   |                      |                            |
| Total       | construction #9 - sublaminate to be used with 10 mil pvc core                |        |                      |                            |
|             | 1 pvc laminate   | 1.60   |                      |                            |
|             | 2 w-35   | 2.00   |                      |                            |
|             | 3 petgs  | 1.70   |                      |                            |
|             | 4 xir (metal to pet gs)  | 1.00   |                      |                            |
|             | 5 bernis   | 2.00   |                      |                            |
|             | 6 pvc laminate   | 1.60   |                      |                            |
| Total       | construction #10 (if u works)  |        |                      |                            |
|             | 1 w35  | 2.00   |                      |                            |
|             | 2 petgs  | 1.70   |                      |                            |
|             | 3 xir (metal to pet gs)  | 1.00   |                      |                            |
|             | 4 w35  | 2.00   |                      |                            |

FIGURE 13 (Continued)

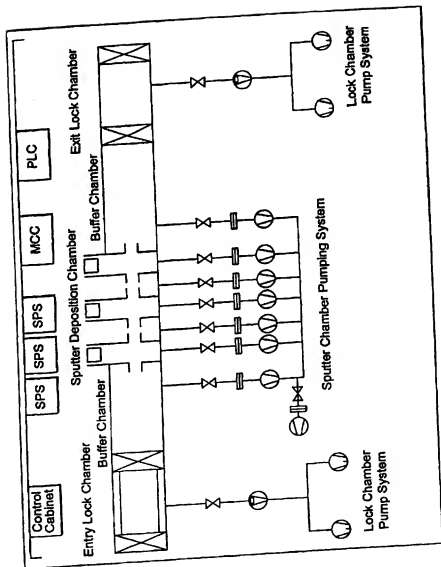


FIGURE 14

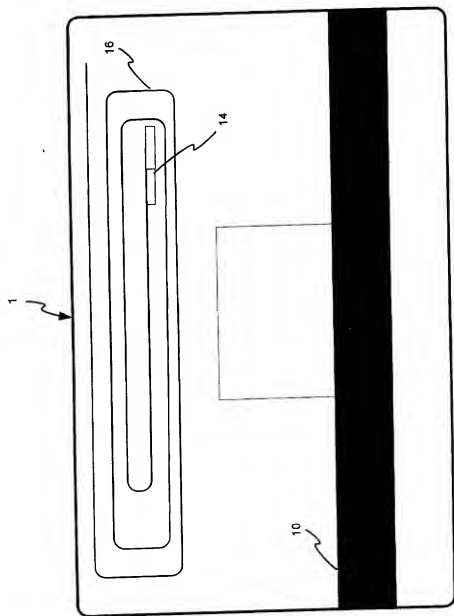


FIGURE 15A

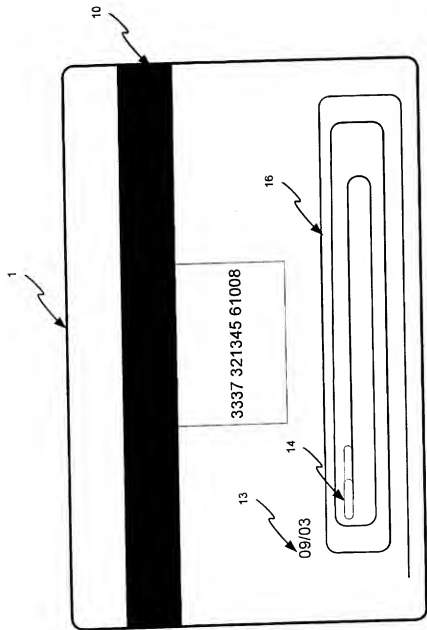


FIGURE 15B

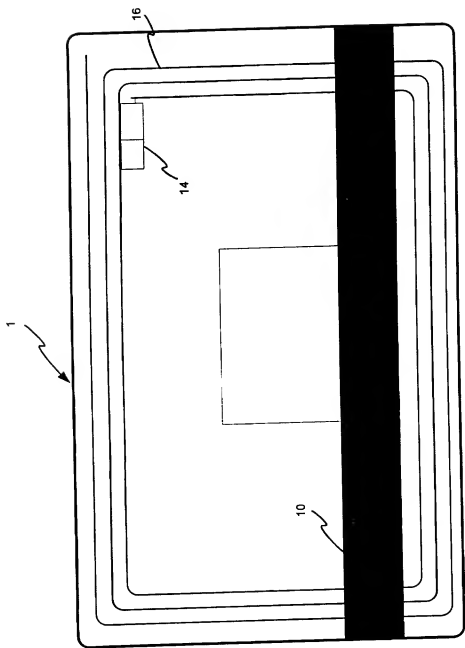


FIGURE 16

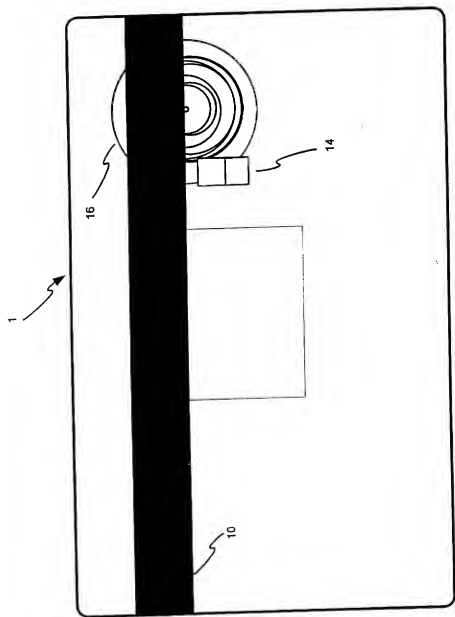


FIGURE 17



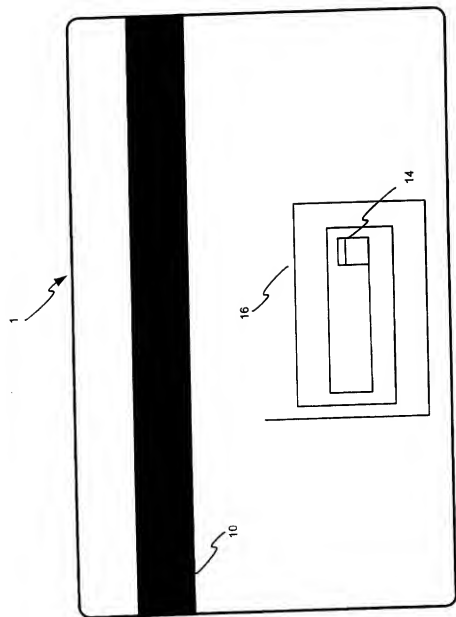


FIGURE 18